

FIELD AGRICULTURE, FORESTRY AND FISHERIES**Review of *Agriculture* unit standards**

Subfield	Domain	Id
Agriculture	Deer Farming	1517, 1521, 1526, 1530, 1532, 8620-8628, 8630-8633, 15598, 15599, 19092-19097
	Fencing	12, 36-39, 41, 42, 561, 572, 573, 10088, 10089, 10996, 19124-19126, 19130, 19131

The Agriculture Industry Training Organisation (Agriculture ITO) has completed the review of the unit standards listed above.

Date new versions published

August 2008

Planned review date

December 2012

Summary of review and consultation process

The unit standards were reviewed because they had reached their expiry date.

A review panel made up of key industry representatives and Agriculture ITO field staff from the deer and fencing sectors were identified, and meetings were convened. Initial discussions focused on the current status of the industry sector, any changes which had occurred since the last review which impacted on training, and the future direction of the industry.

Roleholders and associated skills and knowledge were identified for each industry sector. The information collected was compared with existing unit standards and changes made in consultation with industry representatives. New unit standards were written where gaps existed.

Feedback received since the last review was also considered by the review panels, and where this was considered valid, was included in the updated versions of unit standards.

Draft unit standards were circulated for internal ITO consultation to training advisors, key accounts managers, and moderators. Suggestions were further considered by the review panel and incorporated if valid.

Final drafts were then placed on the website and all stakeholders were notified of the opportunity to provide feedback. Stakeholders consisted of farmers, farmer trainers, industry sector organisations, training providers, and other ITOs.

Feedback was considered by the review panel, and unit standards were updated. Unit standards were endorsed by the Agriculture Industry Committee prior to submission to NZQA for evaluation and registration.

Main changes resulting from the review

Domain: Deer Farming

- Unit standard 1517 has been split into unit standards 24808 and 24809
- New unit standard 24811 has been written to recognise competency at level 3 related to carrying out preventative health programmes for deer
- Unit standard 8622 has been amended to clarify the outcome
- The level of unit standard 8624 has increased to 3 to better reflect the complexity of outcomes
- New unit standard 24812 has been written to cover the entry level skills related to deer grazing management
- Unit standard 8627 has been clarified to cover the requirements of a natural mating programme for deer, and new unit standard 24814 has been written to cover the non-surgical artificial insemination requirements for deer
- Credits for unit standard 8628 have increased from 8 to 10
- Unit standards 8631, 8632, and 8633 have expired and will not be replaced as they are no longer required by industry
- The title of unit standard 19092 has been amended to better reflect the content, and credits have reduced from 10 to 4
- Unit standard 19093 had a new element added, and credits have increased from 3 to 5 to better reflect the level of complexity of outcomes, and the time taken to achieve competency and be assessed
- New unit standard 24815 has been written to cover the knowledge required for venison markets and production
- New unit standards 24816, 24817, and 24818 have been written to cover an identified gap in learning and assessment
- New unit standards 24819 and 24820 have been written to cover the knowledge and skills respectively, for handling stags in a mob during mating.

Domain: Fencing

- Unit standard 36 has been updated, and element 1 has moved to unit standard 24836
- Unit standard 38 has been replaced by unit standards 24821 and 24822
- New unit standard 24823 has been written to cover assessment for installation of wire droppers in fencing
- Unit standard 41 has been replaced by unit standards 24824 and 24825
- Unit standard 42 has been replaced by unit standards 24826 and 24828
- New unit standard 24827 has been written to cover repairs to a rail in a rail panel
- New unit standard 24829 has been written to cover installation and nailing of rail panels and hanging of wooden single and double gates
- The credits for unit standard 573 have increased from 6 to 10
- New unit standard 24831 has been written to cover mains energizer installation and fault finding
- Unit standards 12, 10088, 10089, and 19124 have been replaced by unit standards 24832 and 24833
- Unit standard 19125 has been replaced by unit standard 24834
- New unit standard 24835 has been written to cover fault finding in electric fences and replacement of electric fence components
- Unit standard 19126 has been replaced by unit standards 24836 and 24837
- Unit standard 19130 has been replaced by unit standards 24838, 24839, and 24840

- Credits have increased for unit standards 37, 39, and 10996
- The level has increased for unit standard 37
- New unit standards 24841, 24842, and 24843 have been written to cover planning, design, and preparation for installation of on-farm fencing, open timber yards, and a wooden gate
- New unit standards 24844-24847 have been written to cover the installation of poles by various mechanical methods
- New unit standard 24848 has been written to cover the installation of a fence line within a commercial timeframe.

Unit standards categorised as category C or D expire at the end of December 2010.

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Subfield	Agriculture	2	Id	37, 24837	3
Domain	Fencing	2	Id	37, 24837	3
Standards	12,10088, 10089, 19124	2	Standards	24832, 24833	2
Standard	38	3	Standards	24821	3
				24822	2
Standard	41	4	Standards	24824, 24825	3
Standard	42	3	Standards	24826	3
				24828	3
Standard	1517	3	Standards	24808	2
				24809	3
Standard	19125	2	Standard	24834	2
Standard	19126	2	Standards	24836	2
				24837	3
Standard	19130	4	Standards	24838, 24839, 24840	4

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0052 has been updated to reflect the changes made to the standards.

Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following Agriculture ITO qualifications are affected by the outcome of this review and the items that generated the affected status are in **bold**. These qualifications are currently under review.

Qualification title	Classification or standard in the qualification
National Certificate in Fencing (Introduction to Fencing) [Ref: 0291]	12, 36, 37, 42, 561, 10088, 10089, 19124, 19125, 19126
National Certificate in Fencing with strands in Non-Electric Fencing and Electric Fencing [Ref: 0324}	12, 37, 38, 39, 41, 42, 561, 573, 10088, 10089, 10996, 19130
National Certificate Farming Skills (Farm Safety) (Level 2) [Ref: 0963]	19092, 19093
National Certificate Pork Production (Core Skills) [Ref: 0964]	573
National Certificate Agriculture (Level 2) [Ref: 0984]	561, 10088, 10089, 19126
National Certificate Agriculture (Level 3) with strands in Arable Farming, Cattle Farming, Dairy Farming, Deer Farming, and Sheep Farming [Ref: 0985]	1517, 1532, 8620, 8622, 19092, 19093
National Certificate Agriculture (Level 4) [Ref: 0986] with strands in Arable Farming, Cattle Farming, Dairy Farming, Deer Farming, and Sheep Farming [Ref: 0986]	8623, 8628
National Certificate in Agriculture (Production Management) with strands in Arable Farming, Cattle Farming, Dairy Farming, Deer Farming, and Sheep Farming [Ref: 1188]	8623, 8628
National Certificate in Rural Servicing (Level 3) [Ref: 1254]	36, 19126

The following Agriculture Industry Training Organisation qualifications are not materially affected by the changes. They will be updated when they are next reviewed.

Qualification title	Standard in the qualification
National Certificate in Apiculture (Level 2) [Ref: 1036]	561

The following qualifications are also affected by the outcome of this review, with the items that generated the affected status in **bold**. The standard setting bodies (SSBs) have been advised that they require revision.

Qualification title	Classification or standard in the qualification	SSB Name
National Certificate in Conservation (Trainee Ranger) (Level 3) [Ref: 0642]	19124, 19125, 19126	Learning State
National Certificate in Conservation (Ranger) (Level 3) [Ref: 0797]	37	
National Certificate in Equine (Level 4) with strands in Breeding, Harness Racing, Sporthorse, and Thoroughbred Racing [Ref: 0216]	36, 37 , 561	NZ Equine Industry Training Organisation
National Certificate in Equine (Racecourse Maintenance) (Level 3) [Ref: 0367]	42	
National Certificate in Equine (Stable Practice) (Level 3) with strands in Harness Racing, Sporthorse, Thoroughbred Racing, and Track Riding [Ref: 0654]	561	
National Certificate in Equine (Thoroughbred Breeding) (Level 4) [Ref: 1070]	36, 37 , 561	

Summary of main changes

All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
B	Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number
C	Major changes that necessitate the registration of a replacement standard with a new Id
D	Standard will expire and not be replaced

Subfield Agriculture
Domain Deer Farming

Id	Title	Level	Credit	Review Category
1517	Demonstrate knowledge of deer breeding	3	5	C
24808	Demonstrate knowledge of deer genetics and mating	2	5	
24809	Describe the contribution of genetics, traits, and productivity targets to deer breeding	3	5	
1521	Demonstrate knowledge of deer breeding methods and programmes	4	3	B
1526	Demonstrate knowledge of deer mating	3	4	B
1530	Demonstrate knowledge of deer mating management	4	4	B
1532	Demonstrate knowledge of deer reproduction and deer attributes Demonstrate knowledge of deer reproduction, breeds, classes, identification, and recording	3	4	B
8620	Assist in the maintenance of health of deer Assist with preventative health programmes for deer under direct supervision	2	3	B
8621	Maintain the health of deer	5	6	B
8622	Assist at fawning and weaning Describe, and assist with, fawning and weaning	3	5	B
8623	Plan and coordinate pasture management and the feeding of deer	4	5 7	
8624	Assist with deer grazing management, and feed deer as directed Carry out deer grazing management, and feed deer as directed	2 3	3	B
8625	Plan and design deer unit layout	5	12	B
8626	Plan a deer breeding programme	5	12	B
8627	Manage a deer mating programme Manage a natural mating programme for deer	5	10	B
8628	Manage a deer herd before, during, and after fawning	5	8 10	B
8630	Demonstrate knowledge of the deer product market, and assess and determine deer farming policy	5	10	B

Id	Title	Level	Credit	Review Category
8631	Harvest deer velvet antler using physical restraint	4	10	D
8632	Harvest deer velvet antler using chemical restraint	5	12	D
8633	Harvest deer velvet antler under direct veterinary supervision	4	10	D
15598	Demonstrate knowledge of velvet antler markets and production	4	6	B
15599	Demonstrate knowledge of velvet antler harvesting	4	4	B
19092	Identify, handle, move, and treat deer Move deer into and around yards, and load and unload, under direct supervision	2	10 4	B
19093	Demonstrate knowledge of deer welfare and stockmanship	2	3 5	B
19094	Sell and purchase deer	5	4 3	B
19095	Demonstrate knowledge of the sale, purchase, and transportation of deer	3	2	B
19096	Identify and manage deer farming land subject to erosion	5	5	B
19097	Describe the management of fertiliser run-off and chemical residues in deer farming	4	2	B
24811	Carry out preventative health programmes for deer as directed	3	3	New
24812	Assist with deer grazing management, and feed deer under direct supervision	2	2	New
24814	Manage a non-surgical artificial insemination (AI) programme for deer	5	8	New
24815	Demonstrate knowledge of venison markets and production	4	6	New
24816	Identify status, and maintain records, of deer, under direct supervision	2	4	New
24817	Assist with handling, moving, and treating deer as directed	3	6	New
24818	Handle, move, and treat deer	4	6	New
24819	Describe behaviour of, and assist to move and handle, stags in a mob	3	2	New
24820	Handle stags in a mob during mating	3	2	New

Domain Fencing

Id	Title	Level	Credit	Review Category
36	Select fencing materials Select fencing support materials	3	4	B
37	Install fencing wire	2 3	2 6	B
38 24821	Install posts and battens for fencing Locate the position of and install, primary and intermediate posts for fencing	3 3	4 6	C
24822	Install wooden battens for fencing	2	4	

Id	Title	Level	Credit	Review Category
39	Install fence netting	3	5 8	B
41 24824	Install wooden horizontal and tie back assemblies Construct wooden horizontal end assemblies for fencing	4 4	5 5	C
24825	Construct tie back assemblies for fencing	3	3	
42 24826	Construct and install rails and gates Install and nail a rail panel	3 3	3 3	C
24828	Hang a pre-built gate	3	3	
561	Install and dismantle temporary electric fences Install, dismantle, and store temporary electric fences	2	2	B
572	Demonstrate knowledge of electric fencing components and systems	3	5	B
573	Construct permanent electric fences, energise, and rectify faults Construct, energize, and test permanent electric fences	3	6 10	B
12	Handle wire	2	2	C
10088	Identify electric fencing components and tie a range of knots under supervision	2	2	C
10089	Identify non-electric fencing components and tie a range of knots under supervision	2	2	C
19124	Identify, use and maintain fencing tools	2	2	C
24832	Open and draw out a coil of wire, tie knots, join wire, and prepare wire for transport and storage	2	5	
24833	Identify and maintain fencing tools and equipment, and identify fencing construction materials and wire types	2	3	
10996	Prepare, construct, and hang wooden flood gates Prepare, select, and hang flood gates	4	3 6	B
19125	Repair non-electric fences	2	2	C
24834	Replace a broken post, and repair a broken wire in fences	2	5	
19126	Demonstrate knowledge of non-electric fences, and hazards in fencing	2	2	C
24836	Describe non-electric fences, fence support materials, and safe practices in fencing	2	2	
24837	Describe non-electric fence types and components	3	3	
19130	Install wooden strainer and angle posts with diagonal stay and breast plate assemblies	4	5	C
24838	Select materials and construct strainer with wooden diagonal stay assembly	4	8	
24839	Select materials, and construct strainer with breast plate assembly	4	4	
24840	Select materials, and install angle posts	4	6	

Id	Title	Level	Credit	Review Category
19131	Demonstrate knowledge of fencing assemblies	3	3	B
24823	Install wire droppers for fencing	2	2	New
24827	Repair a rail in a rail panel	2	2	New
24829	Install and nail rail panels, and hang a wooden single gate and double gates	4	6	New
24831	Install a mains energizer for an electric fence, and identify and rectify faults	4	4	New
24835	Identify the location of a fault in electric fences, and replace electric fence components	2	3	New
24841	Plan, design, and prepare for installation of on-farm fencing	5	15	New
24842	Plan, design, and prepare for installation of open timber yards	5	14	New
24843	Design and construct a wooden gate	4	4	New
24844	Install poles and rails for yards	4	12	New
24845	Drive poles, and install and nail rails for yards	4	12	New
24846	Prepare to operate, and operate a hand held post hole borer	3	6	New
24847	Prepare to operate, and operate a post driver	4	12	New
24848	Install a fence line within a commercial timeframe	4	25	New